

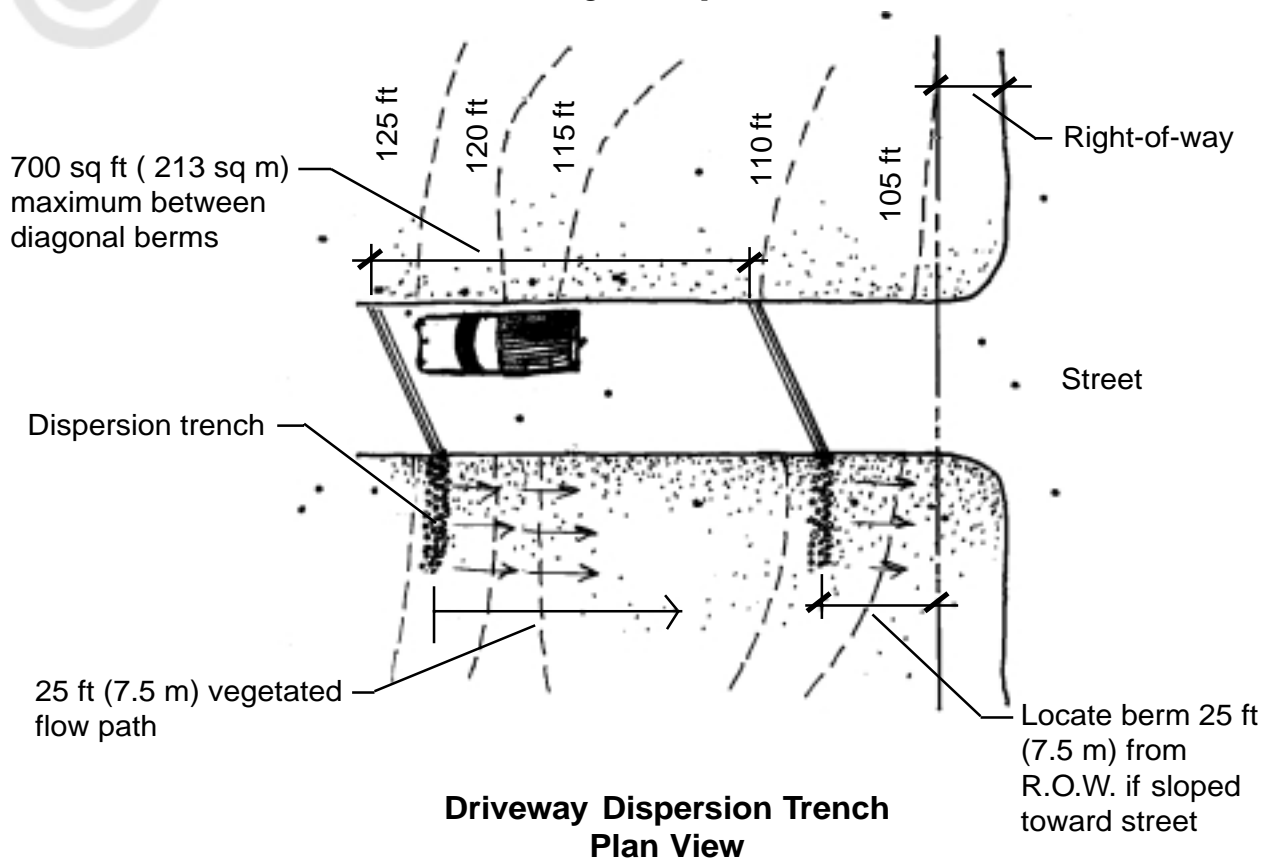
PRIMARY USE: Diffuse and reduce velocity of stormwater runoff.
ADDITIONAL USES: Reduce erosion from runoff.

SHEET FLOW DISPERSION

What is it? Sheet flow dispersions are a simple BMP comprised of an impermeable surface which drains towards a strip of vegetation in a non-concentrated form.

Purpose

Sheet flow dispersion is suitable for reducing stormwater runoff velocity, and promoting infiltration while maintaining flow dispersal.



Limitations

Sheet flow dispersions should be restricted to slopes of less than 15% gradient.

Materials

Crushed rock, modular pavement, drain rock, or suitable material; ground cover plant material may not be of a matting type; upper level plant materials consisting of trees and shrubs, while not mandatory; would assist in dispersion of direct overhead rainfall.

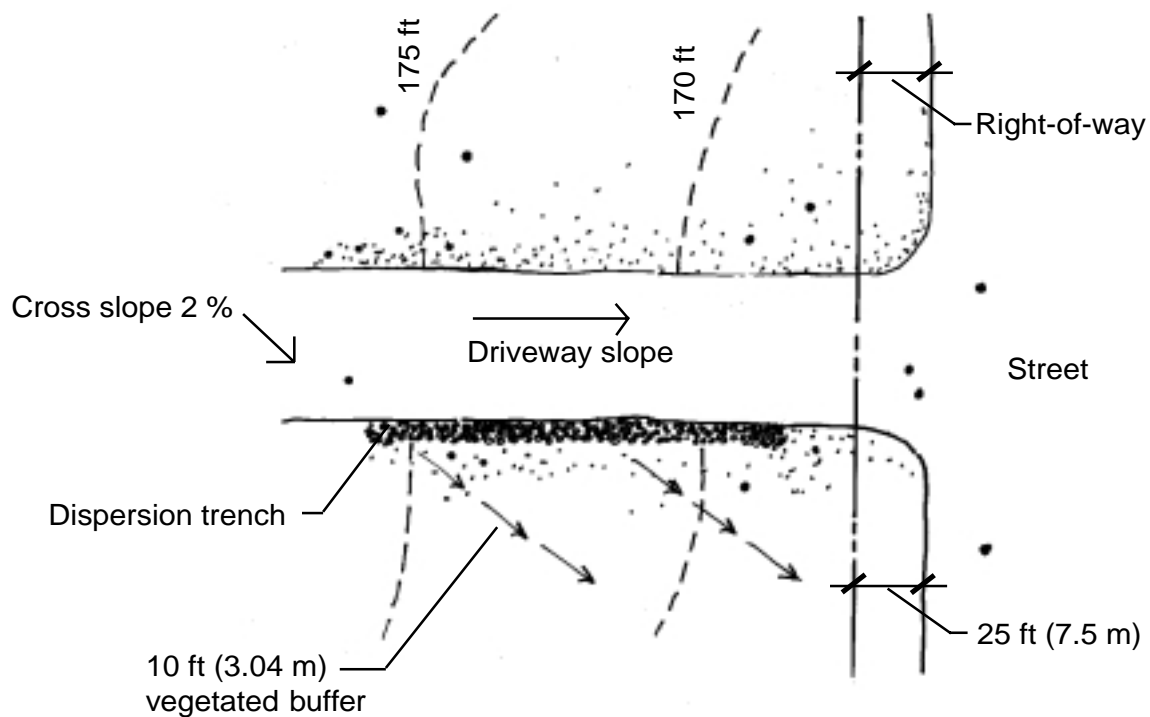
Installation

A two-foot (610 mm) wide zone of transition using one of the surface materials referred to above should be used to prevent channeling between the impermeable surface and the vegetated dispersion area. Ten feet (3 m) of vegetated area should be provided for up to twenty feet (6 m) of impervious pavement width. Five additional feet (1.5 m) of width for the vegetated dispersion area should be added for each additional twenty feet (6 m) of impervious surface width.

Source: Surface Water Design Manual; King County, Washington.

SHEET FLOW DISPERSION

Additional Drawings:



**Sheet Flow Dispersion Trench for
Flat to Moderately Sloping Driveways
Plan View**